

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013800**Date Inspected:** 25-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, M. Manikandan was present during the time noted above for observations relative to the work being performed.

OBG # TRIAL ASSEMBLY YARD

This QA inspector measured and recorded root gap and offset for below segment. Reports forwarded to team leader for further action

7EE-8AE

OBG # TRIAL ASSEMBLY YARD

This QA inspector performed dimensional check on deck panel diaphragm using 710mm straight edge and right angle to check plumpness and flatness for below segment. Reports forwarded to team leader for further action

Lift 8E

OBG # TRIAL ASSEMBLY YARD

This QA inspector witnessed final tension verification for U-Rib to U-Rib of Segment 7BE and 7CE. Witnessed 10% on a random basis the bolts and found the tension to be in general compliance. The panel point and bolt size

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designations are as follows:

PP52 to PP53:

M22 X 65 – DHGM 220018 – 447 NM

M22 X 85 – DHGM 220013 – 433 NM

M22 X 80 – DHGM 220050 – 486 NM

OBG # TRIAL ASSEMBLY YARD

This QA inspector witnessed final tension verification for T-Rib to T-Rib of Segment 7BE and 7CE. Witnessed 10% on a random basis the bolts and found the tension to be in general compliance. The panel point and bolt size designations are as follows:

PP52 to PP53:

M22 X 65 – DHGM 220018 – 447 NM

M22 X 70 – DHGM 220004 – 453 NM

OBG # TRIAL ASSEMBLY YARD

This QA inspector witnessed final tension verification for longitudinal diaphragm (LD) to LD of Segment 7BE and 7CE. Witnessed 10% on a random basis the bolts and found the tension to be in general compliance. The panel point and bolt size designations are as follows:

PP52 to PP53:

M24 X 70 – DHGM 240003 – 543 NM

M24 X 95 – DHGM 240021 – 540 NM

OBG # TRIAL ASSEMBLY YARD

This QA inspector witnessed final tension verification for lower chevron X3D of Segment 7AW to 7DW. Witnessed 10% on a random basis the bolts and found the tension to be in general compliance. The panel point and bolt size designations are as follows:

PP48 to PP58:

M22 X 65 – DHGM 220021 – 543 NM

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or

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remedial efforts please contact , who represents the Office of Structural Materials for your project.

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| Inspected By: | Manikandan,Murugan | Quality Assurance Inspector |
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| Reviewed By: | Carreon,Albert | QA Reviewer |
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